

Causes of the deformation of the internal conductor of a cable with solid polyethylene insulation. Elektrotekhnika 35 no.10: with 40-41 0 '64.

CHIRKOV, V.P., SHITOV, Ye.V. [deceased]

Method of visible recording with a mugnetoelectric escillograph.
Priborostroenie no.6:9-10 Je '64.

(MIRA 18:3)

SHITOV, E.L., BELOUSOV, A.S., POPOVA, V.M., SEMASHKO, N.G., TAMM, Ye.I. VEKSLER, VII., YAGUDINA, F.R.

"Photoproduction of Pions Complex Nuclei," paper presented at CERN Symposium, 1956, appearing in Nuclear Instruments, No. 1, pp. 21-30, 1957

"Photoproduction of Notation o

The production of Π° -mesons on nuclei under the influence of gamma straight was studied to determine whether θ -mesons are produced throughout the nucleus or only on the surface.

The dependence of π° -meson emission on the atomic number of various bombarded nuclei was measured. The experiment was carried out on the synchrotron of the Physics Institute of the Academy of Sciences USSR. Synchrotron to the A2/3 law and independence of gamma ray energy close adherence to the A2/3 law and independence of gamma ray energy was noted in the cross section-atomic number curve.

The conclusion is drawn that mesons are formed only on the surface of nuclei.

Sum 1 1451

AUTHORS: Iokhel'son, S. V. and Shitov, Ye. V.

TITIM: Radiometric Analysis of Rocks Using Their Gamma-Spectra (Radiometricheskiy analiz gornykh porod po spektru

gamma-izlucheniya)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geofizicheskaya, 1959, Nr l, pp 96-104 + 1 plate (USSR)

ABSTRACT: The paper describes a method of quantitative radiometric analysis of rocks and ores using their gamma-spectra.

The spectra were examined by means of a"multi-channel" differential gamma-spectrometer described in the present

paper. Some results on the analysis of rocks for

uranium, radium and thorium are given. The gamma-spectra of samples were obtained using the differential spectrometer with a cathode-ray oscillograph. The spectrometer consisted of a receiver, an analysing

circuit, a counting circuit and a photographic recorder. A NaI(T1) crystal was used as the receiver of gamma-rays. It was mounted on a photo-multiplier FEU-29. Pulses from the photo-multiplier were amplified and fed to a

differential amplitude analyser. The circuit of the

Card 1/6 analyser and the various time intervals involved are

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Radiometric Analysis of Rocks Using Their Gamma-Spectra

shown in Fig.1 in schematic form. Full details of the analyser circuit are shown in Fig. 2. A voltage pulse from the amplifier is transformed into a \(\Pi\)-shaped pulse of 60 usec duration. This transformed pulse is fed to one of the horizontal plates of the cathode-ray oscillograph. The other horizontal plate receives an inverted M-shaped pulse from a phase invertor. Simultaneously the vertical plates are subjected to an exponential scanning voltage and the modulator grid of the oscillograph received a square pulse. The last two pulses are of 40 µsec duration and are delayed with respect to the input pulse by about 10 µsec. of all these pulses is determined by three flip-flop oscillators connected in series. In this way each pulse coming from the amplifier is transformed into a line on the screen of the cathode-ray oscillograph. Displacement of this line along the horizontal is proportional to the amplitude of the input pulse and its height is determined by the scan amplitude. The c.r.o. screen is photographed on a film. The density of blackening of the film is

Card 2/6 determined by the number of recorded pulses.

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photographic records so obtained (Fig. 3) give the gamma-ray spectra after appropriate analysis with a Calibration of the spectrometer with microphotometer. isotopes emitting gamma-rays of various energies show that the instrument is linear at energies from 0.06 to 2.6 MeV. The resolving power of the spectrometer was not less than 15-14% for gamma-rays from Cs¹³⁷. The energy positions of gamma-ray maxima of UX₁, RaC, ThB and Th (C" + D) were stable within 5-7% in 1 1/2 to 2 hrs. The analyser described is equivalent in its resolution to that of a 100-channel differential analyser based on dicrete counting, The analyser described makes it possible to measure simultaneously the gamma-spectrum throughout the whole energy interval and this shortens considerably the time required for measurements and avoids errors due to drift in amplification by photomultipliers and in the electronic part in general. low threshold of sensitivity (0.03 MeV) of the spectrometer described enabled the authors to measure and resolve the lines at 0.064 and 0.093 MeV of UX1. gamma-rays pass through rocks their original spectrum is altered by absorption and scattering.

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recorded spectrum depends on the primary emission, on the composition and density of the rock, geometry of the experiment and the spectral characteristics of the receiver used. In simultaneous recording of radiation of several radio-active elements, the amplitude (counting rate) for any photo-peak is determined by the total intensity of the primary radiation (E₀) of the particular element and the scattered radiation of all the other elements present. The following lines were used for identification of U, Ra and Th: E₁ = 0.093 MeV (UX₁), E₂ = 0.350 MeV (RaB); E₃ = 0.238 MeV (ThB). These lines are shown with the rest of the gamma-ray spectra of several samples in Figs. (5) and (6). Concentrations of uranium, radium and thorium were determined from a system of linear equations:

$$g_{U} = a_{11}\alpha_{U} + a_{12}\alpha_{Ra} + a_{13}\alpha_{Th},
g_{Ra} = a_{21}\alpha_{U} + a_{22}\alpha_{Ra} + a_{23}\alpha_{Th},
g_{Th} = a_{31}\alpha_{U} = a_{32}\alpha_{Ra} + a_{33}\alpha_{Th}$$
(4)

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Radiometric Analysis of Rocks Using Their Gamma-Spectra

 ϵ_{U} ; ϵ_{Ra} ; ϵ_{Th} are the amplitudes of photo-peaks at energies \mathbb{E}_{1} , \mathbb{E}_{2} and \mathbb{E}_{3} expressed in terms of a standard containing unit concentrations of all the three are concentrations of uranium, elements; α_{TI} , α_{Ra} , α_{Th} radium and thorium in a sample; a_{11} , a_{12} , a_{13} proportions of gamma-rays from uranium, radium and thorium respectively recorded in the uranium photo-peak of the standard; a₂₁, a₂₂, a₂₃, a₃₁, a₃₂, a₃₃ similar proportions for the radium and thorium photo-peaks. Fig. 7 is a nomogram which can be used to speed up the concentration calculations. The results obtained by the method described, together with the results obtained by chemical and radio-chemical means, are given in Tables 1 and 2. These results are given for a total of 21 ore samples, each of which contains uranium, radium and thorium. Inspection of Tables 1 and 2 shows that the relative errors in radiometric determination of uranium, radium and thorium, using their gamma-ray spectra, do not Card 5/6 as a rule exceed 8-12% and only rarely reach 20%. The

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Radiometric Analysis of Rocks Using Their Gamma-Spectra

limits of sensitivity of gamma-ray method of analysis of radio-active ores were 0.01% for U, 0.00% for Th and 2×10^{-11} g/g of ore for Ra. Acknowledgments are made to I. M. Nazarov for his advice. There are 7 figures. 2 tables and 6 references, 2 of which are Soviet, 2 English, 1 German and one translation from English into Russian.

ASSOCIATION: Akademiya nauk SSSR Institut prikladnoy geofiziki (Ac.Sc., USSR, Applied Geophysics Institute)

SUBMITTED: December 3, 1957

Card 6/6

SHITOV, Ye, Ye,

Potentiation of magnesan effect with aminazine and diphenylacetic and derivatives. Farm. i toks. 27 no.3:272-274 My-Je 164. (MIRA 18:4)

l. Katedra farmakologii (zav. - prof. A.A.Gavrilyuk) L'vovskogo meditsinskogo instituta.

SHITOV, Ye.Ya.

Effect of magnesium sulfate in combination with tranquilizers on the bicelectric and cholinesterase activity of the brain. Farm. i toks. 28 no.1:13-17 Ja-F '65. (MIRA 18:12)

1. Kafedra farmakologii (zav. - prof. A.A.Gavrilyuk) Livovskogo meditsinskogo instituta. Submitted November 21, 1963.

36935 s/081/62/000/007/029/033 B168/3101

15.8616 5.3830

Vinogradov, P. A., Sal'nikova, K. S., Mironov, G. S., AUTHORS:

Mironova, N. M., Shitova, A. A.

Utilization of the reducing properties of ammonia in the TITLE:

creation of oxidation-reduction systems for polymerization

in aqueous emulsions

Referativnyy zhurnal. Khimiya, no. 7, 1962, 626, abstract PERIODICAL:

7P117 (Uch. zap. Yaroslavsk. tekhnol. in-ta, v. 6, 1961,

83-90)

TEXT: A new oxidation-reduction (redox) system for initiating the process of polymerization at low temperatures; is based on the use of hydroperoxide of isopropylbenzene, ammonia, glucose and sodium pyrophosphate. Study of the influence of the individual components of the redox system on the rate of polymerization revealed that an increase in the quantity of each of the components was regularly accompanied by a rise in the polymerization rate, which reached its maximum under specific conditions. The influence of the pH of the medium on the rate of polymerization in the presence of ammonia Card 1/2

Utilization of the reducing ...

S/081/62/000/007/029/033 B168/B101

was also studied and it was shown that the activating effect of ammonia depended on the pH-value. When the influence of FeSO₄ was being determined it was found that the presence of this substance reduced the rate of polymerization. The proposed redox system is effective even in the absence of salts of fatty acids. A comparison of the copolymerization kinetics of divinyl (I) with styrene (II) in the presence of an ammoniasugar, iron-sugar or hydroquinone-sulfite redox system showed that these substances were practically equivalent as far as their activating influence was concerned. A formula for the polymerization of mixtures I and II (parts by weight) was worked out on the basis of the new redox system: I 70, II 30, H₂0 200, Nekal BXG 3, NH₃ 0.06, glucose 1.0, sodium pyrophosphate 0.06, isopropylbenzene hydroperoxide (containing 86% hydroperoxide) 0.3, di-isopropylxanthogene disulfide 0.1. Reaction time of polymerization at +5°C 20 hrs. [Abstracter's note: Complete translation]

Card 2/2

s/190/62/004/001/015/020 B110/B101

Vinogradov, P. A. Odintsova, P. P. (Deceased), Shitova, A. AUTHORS.

A .--

Effect of the nature of emulsifiers upon the polymerization TITLE

rate of styrene and the decomposition of peroxides

Vysokomolekulyarnyye soyedineniya: v. 4. no. 1 1962. 98 -PERIODICAL-

TEXT: The effect of the bases used for saponification of fatty acids upon the colloidal solubility of styrene (A) in soap solution, and the effect of commercial emulsifiers upon the polymerization rate of styrens and the decomposition of some peroxide initiators are discussed. Collordal t solubility (CS) in emulsifier solutions was refractometrically determined at 20°C according to A. I. Yurzhenko (Ref. 1: Zh. obshch. khimii, 16. 1946). The following emulsifiers were used: (1) Potassium oleate of olers and 0.16 g-equivalent/liter K2CO5. (2) potassium oleate of cleic acid with KOH. (3) ammonium oleate (0.02 g-equivalent/liter of free NH3) (4) Nekal with 99% sodium dibutyl naphthalene sulfonate and Card 1/3

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by trogramated colophony and 0.004 g-equivalent/liter of KOH. The pH value was adjusted to '0 = 11 by means of free alkali. Maximum increase of CS with the amalistic concentration was found for 1 and 3. CS of A in 5% K cleate abstined from KOH is 2.5%, that in K cleate obtained from K₂CO₇ is 12.5%. CS of A does not affect the polymerization rate. Contrary via consecution fate of isopropyl benzene hydroperoxide (B), benzoyl perioxide (C), and potassium persulfate (D) was indometrically investigated to 70°C in a water mylane emulsion under exclusion of air. A regular position of a fate of the statility of peroxides on the nature of emulsifiers upon the religious of the statility of peroxides on the nature of emulsifiers upon the religious fate was studied in an N₂ medium at 60°C in the presence of 0.2 perox by weight 'of atyrane' of B or equimolecular quantities of other initiaties, and 5% aquivous emulsifier solution at pH = '0 = 11. The store 4 S is and 1.2 S (with respect to weight). The polymerization rate

Effect of the nature of ...

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was found to be independent of the nature of emulsifier and the CS of the monomer. Since no decomposition of B in potassium oleate and Nekal at normal polymerization rate was found, polymerization is probably caused by few free radicals not determinable by analysis. There are 4 figures, 4 tables, and 6 references: 5 Soviet and 1 non-Soviet. The reference to English-language publications reads as follows: W. Harkins, J. Amer. Chem. Soc., 59, 1428, 1947; J. Polymer Sci., 5, 217, 1950.

SUBMITTED: February 3, 1961

Card 3/3

BROUN, M.Ya., kand.tekhn.nauk; SHITOVA, A.Ye., inzh.

Contactless electric moisture meters. Der.prom. 8 no.2:9-10
F '59.

1. L'vovskiy lesotekhnicheskiy institut.

(Moisture--Measurement)

Intensification of systems for drying beach boards. Der.prom. 9 no.7:9 Jl '60. (MIRA 13:7)

(Lumber--Drying)

SHITOVA, A.Ye.; SKRIPINETS, G.M.

Drying of beech wood. Burn.i der.prom. no.1:45-47 Ja-Mr 162. (MIRA 15:5)

 L'vovskiy lesotekhnicheskiy institut (for Shitova).
 Chinadiyevskiy domostroitelinyy fanernyy kombinat (for Skripinets).

(Beech---Drying)

SHITOVA, A.Ye.

Effect of temperature increase in the drying of birch wood on its physicomechanical properties. Der.prom. 11 no.4:13-14 (MIRA 15:4)

Ap *62.

1. L*vovskiy lesotekhnicheskiy institut.
(Birch—Drying)

OKSANICH, E.Ya.; SHITOVA, A.Ye.

Efficiency of forced drying systems in the enterprises under Stanislav Economic Council. Bum.i der.prom. no.4:41-44 O-D '62. (MIRA 15:12)

1. L'vovskiy lesotekhnicheskiy institut.
(Stanislav Economic Region--Lumber--Drying)

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SHITOVA, A.Ye.

Forced process of drying in lumber kilns of sontimuous operation .
Bum. i der. prom. no.1:47-49 Ja-Mr 163. (MIRA 16:7)

1. Livovskiy lesotekhnicheskiy institut.
 (Lumber—Drying)

SHITOVA, A.Ye.

Problems in the aerodynamics of ejector-type drying chambers. Bum. i der. prom. no.3:28-31 J1-S *63. (MIRA 17:2)

1. L'vovskiy lesotekhnicheskiy institut.

CHITCHE, A.Th., FORW, N.Y., rol.

formiture manufacture) Intensifikatsiia protsessov sushki bukwayka zagotovok dlia mebel'nogo proizvodstva. Moskva, TSentr. nautumowissl. in-t informatsii i tekhniko-ekon. issledovanii p. lesnoi, tselliulozac-bumazhaoi, derevo-ohrabatyvaigamahei promyshl. i lesnom: kncz., 1964. 17 p. (MIRA 18:4)

SHITOVA, A.Ye.

Forcing the process of drying parquet rough stock. Bum. i der. prom. (MIRA 18:10) no.1:36-38 Ja-Mr *65.

SHITOVA, L.A.

Map compilation of the quality of coals according to the degree of their metamorphism and petrographic composition. Mat. Tem. kom. no.1:89-91 '61. (NIRA 17:2)

1. Zapadno-Sibirskoye geologicheskoye upravleniye.

SIMONOV, M.Z., doktor tekhn. nauk, prof., red.; BUZHEVICH, G.A., kand. tekhn. nauk, red.; SHITOVA, L.N., red.

[Instructions for manufacturing elements from lightweight concrete using natural porous aggregates] Instruktsiia po izgotovleniiu izdelii iz legkikh betonov na estestvennykh poristykh zapolniteliakh. Moskva, Gosstroiizdat, 1963.

(MIRA 16:10)

1. Armenian S.S.R. Gosudarstvennyy komitet po delam stroitelistva.

(Aggregates (Building materials))

DVORIN, Roman Semenovich; GUREVICH, M.S., nauchn. red.; SHITOVA, L.N., red.

[Planning of assembling and special construction operations] Planirovanie montazhnykh i spetsial'nykh stroitel'nykh rabot. Moskva, Stroiizdat, 1964. 120 p.

(MIRA 17:5)

SHIFOVA, M. N., Cand Med Sci -- "Immediate and remote results of the direct removable dental prosthesis. (Clinical morphological study)." Kazan', 1961. (Min of Health ESFSR. Kazan'State Med Inst) (KL, 8-61, 266)

- 546 -

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SOV/126-8-5-14/29

AUTHORS:

Zelinskiy, M.S., Noskov, B.M., Pavlov, P.V., and Shitova, E.V.

TITLE:

Influence of Vanadium Additions on the Self-Diffusion

of Iron

PERIODICAL: Fizika metallov i metallovedeniye, 1959, Vol 8, Nr 5,

pp 725-730 (USSR)

ABSTRACT: In contrast to the effect of many other transition elements, vanadium has been found to give a weaker atomic bonding than occurs in pure iron (Refs 6, 7). Since for other metals results of diffusion and X-ray investigations agree, the authors decided to study the

nivestigations agree, the authors decided to study the self-diffusion of iron with respect to vanadium content. Although this had already been studied, work by Sanadze and Tsivtsivadze (Ref 8) has thrown doubt on some previous results (Refs 4, 5, 9). The present authors used three Fe-V (0.48, 1.01 and 2.04% V) and two Fe-V-C (0.096, 2.46% V and 0.820, 0.25% C, respectively) allows (compositions shown in Table 1)

alloys (compositions shown in Table 1).

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5 x 8 x 25 mm plane parallel specimens were subjected to homogenizing annealing at 1100 °C for 20 hours. thickness of about 0.005 mm of radioactive Fe59 was

electrodeposited on one face. Pairs of specimens with

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Influence of Vanadium Additions on the Self-Diffusion of Iron

their active faces in contact were subjected to isothermal diffusion annealing for 4-200 hours in a quartz tube evacuated to 10-3 mm Hg. Temperature (900-1300 and 1100-1340 for the Fe-V and Fe-V-C alloys, respectively) was controlled to ± 5 °C. After annealing specimens were rapidly quenched and the self-diffusion coefficients determined by removing layers and measuring the integral residual gamma-activity of the remainder of the specimen (Ref 10), with precautions to avoid end effects. Two to four independent determinations were made at each temperature. break at 1100 °C on the curve of log D vs inverse of absolute temperature it was deduced that below this temperature inter-crystallite diffusion plays a big part. Results above 1100 °C referred to uniform diffusion and were used in calculating the coefficients: these and other diffusion parameters are shown in Table 2. Table 3 the corresponding data for inter-crystallite diffusion calculated by Fisher's formula (Ref 11) are given for the Fe-V alloys. The linear relation between the logarithm of the uniform diffusion coefficient and

Card 2/3

GREBENSHCHIKOV, R.G.; TOROPOV, N.A.; SHITOVA, V.I.

Crystal phases of the system barium oxide - germanium dioxide. Dokl. AN SSSR 153 no.4:842-844 D '63.

(MIRA 17:1)

1. Institut khimii silikatov im. I.V. Grebenshchikova AN SSSR. 2. Chlen-korrespondent AN SSSR (for Toropov).

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ACCESSION NR: AP5007618		
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AUTHOR: Grebenshchikov, F	R. G.; Toropov, N. A.; Shitova, V. I.	
•	harden cilicate - barium germanate ay	
TITLE: Solid solutions 1	iya. Neorganicheskiye materialy, v. 1, no. 1, 1965, 121	-
Triost	iva. Neorganicheskiye materialy, V. I, no.	
SOURCE: AN SSSR. IZVESC		
125	solution, barium germa*	
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TOPIC TAGS: SITTEMENT XTAY	y diffraction, molecular refraction	
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ARSTRACT: The formation	of solid solutions in the system barium silicated experi- ysical parameters of this system were determined experi- ysical parameters of this system, which is used in pre- rify the properties of this system, industry and for produc-	
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tion of molecular retraction	ons by X-ray diffraction, thermal analysis and determined by X-ray diffraction, thermal analysis and determined by X-ray diffraction, and density. All systems melted etion, refractive index and density. All systems melted etion, 2050 and 1830G being the melting points of pure barium, 2050 and 1830G being the melting points of pure barium, respectively. Solid solutions of similar structures were respectively.	ce
the interval 1850-22200,	respectively. Solid solutions of	. 196
silicate and germanator,		
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ACCESSION NR: AP5007618

shown to be formed, with a region of immiscibility at 50-60 mole% Ba₂GeO₄, shown particularly by the discontinuity of molecular refraction. A maximum in the thermogram of the Liquidus at 2200C corresponded to the solid solution with 95 mole% Ba₂SiO₄, and a peritectic was measured at 1970C (see Fig.1:of the Enclosure). Orig. art. has: 3 figures and 2 tables.

ASSOCIATION: Institut khimii silikatov im. I. V. Grebenshchikova AN SSSR (Silicate chemistry institute, AN SSSR)

SUBMITTED: 10Apr64

ENCL: 01

SUB CODE: IC, MT

NO REF SOV: 009

OTHER: 005

Card 2/3

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549620005-9

EWT(m)/T/EWP(t)/EWP(b)/EWA(c) IJP(c) JD/JG L 1456-66 ACCESSION NR: AP5022265 UR/0363/65/001/007/1130/1142 546.431+546.289 AUIHOR: Grebenshchikov, R. G.; Toropov, N. A.; Shitova, V. I. TITLE: Some aspects of the analogy between the crystal chemistry of germanates and titanates, silicates, and fluoberyllates, and the system barium oxidegermanium dioxide SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 7, 1965, 1130-1142 TOPIC TAGS: germanium compound, barium oxide, barium compound, fluorine compound, beryllium compound, rubidium compound, lead oxide, titanium oxide, silicate. barium titanate ABSTRACT: In a study of the phase diagram of the system BaO-GeO2, use was made of thermal, x-ray diffraction, microscopic, and crystal optical analyses. The system is found to have six chemical compounds with BaO:GeO2 ratios equal to 3:1, 2:1, 3:2, 1:1, 1:4, and 1:19; three of these compounds were obtained for the first time: Ba3GeO5, Ba3Ge2O7, and BaGe19O39. An approximate scheme of the polymorphism of tribarium germanate is proposed: Card 1/2

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549620005-9

L 1456-66

ACCESSION NR: AP5022265

γ 160°C γ 470°C β 685°C β 755°O σ 7650°C κ 1445°O α 1725°C πελ

The interplanar distances and refractive indexes of all the germanates studied and their polymorphous modifications are tabulated. A discussion of the crystal chemical analogy of barium germanates with fluoberyllates, silicates, titanosilicates, and titanates is given in which the systems RbF-BeF2, PbO-SiO2, PbO-GeO2, BaO-SiO2, BaO-GeO2, and BaO-TiO2 are compared. Orig. art. has: 6 figures and 5 tables.

ASSOCIATION: Institut khimii silikatov im. I. V. Grebenshchikova Akademii nauk SSSR (Institute of Silicate Chemistry, Academy of Sciences, SSSR)

SURMITTED: 29Mar65

ENGL: 00

SUB CODE: IC, S5

NO REF SOV: 007

OTHER: 013

Card 2/2

S/196/61/000/012/026/029 E194/E155

AUTHORS; Shitova, V.M., Slepushkin, V.I., and Shal'man, Z.M.

TITLE; An investigation of automatic control systems and sources of supply for electric-spark cutting of

metals with a disc electrode

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.12, 1961, 41, abstract 12K 236. (In the Symposium "Problems of Electrical Machining of Materials", M.;

AS USSR, 1960, 188-214)

TEXT: A procedure is given for analysing automatic control systems for electric-spark cutting. Results of a study of the automatic control systems are used to develop a procedure for calculating controller parameters. A comparison is made between a number of supply circuits considered as components of automatic control systems. Practical recommendations are given concerning the selection of supply and controller circuits.

[Abstractor's note: Complete translation.]

Card 1/1

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VOL'FSON, N.S.; SHITOVA, Yeals; LIVSHITS, B.L., kand. fiz.-mat. nauk, otv. red.

[Optical masers (lasers); bibliographic index of Soviet and foreign literature for the period 1958 to June 1963] Kvantovye opticheskie generatory (lazery); bibliograficheskii ukazatel otechestvennoi i zarubezhnoi literatury s 1958 po iiun 1963 g. Moskva, Izd-vo "Nauka," 1964. 175 p.

(MIRA 17:8)

1. Akademiya nauk SSSR. Sektor seti spetsial'nykh bibliotek.

SHITOVA, Ye.M.

Direct results and long-range consequences of forceps delivery for the child. Vop.okh.mat. i det. 4 no.2:53-57 Mr-Ap '59.

(MIRA 12:5)

1. Iz rodil'nogo doma No.7 (glavnyy vrach V.I.Kuksenkova, nauchnyy rukovoditel' - prof. G.K.Cherepakhin), g.Gor'kiy.
(BIRTH INJURIES)

SHIMOVA, Ye.M., kand.med.nauk; BUNDINA, M.Ya. (Gor'kiy)

Obstetrical and gynecological service and the prophylactic examination of female workers at the Gorkly Automobile Factory. Sov.zdrav. 21 no.12:10-12 '62. (MIRA 15:12)

1. Nauchnyy rukovoditel' - zaveduyushchiy kafedroy akusherstva i ginekologii lechebnogo fakul'teta Gor'kovskogo meditsinskogo instituta imeni S.M.Kirova, zasluzhennyy deyatel' nauk RSFSR prof. G.K.Cherepakhin. 2. Zaveduyushchaya zhenskoy konsul'tatsiyey medike-sanitarney chasti Gor'kovskogo avtomobil'nogo zavoda (for Bundine).

(GORKIY_LABOR AND LABORING CLASSES_MEDICAL EXAMINATIONS)

SHITCUA, Z.I.

USSR/Human and Animal Physiology - Neuro-Muscular Physiology. R-11

Abs Jour : Referat Zhur - Biol., No 16, 1957, 71 285

Author

: Shitova, Z.I.

Title

: Metabolic changes in Mouse Tissue in the Combined Action of Large Radon Doses and Steady Current (Intensity of

Oxygenation)

Orig Pub

: V sb. Vopr. radiobiologii, L. 1956, 51-58

Abstract

By irradiation with Rn of the isolated calf muscle of the frog, and by polarizing the other, their oxygen consumption was changed in the course of 5-7 hrs at temp. 20-22°C. Under the influence of cathode current in normal muscles the oxygenation rose on the average 34%, and in the irradiated (activity 0.4-0.8 m. curies)— on the average by 45%. In two days, the difference in utilization of 0₂ increased even more. The cathode influence on oxidation processes in the muscle was summary with the action of irradiation. Anode current of threshold strength

Card 1/2

- 64 -

USSR/Human and Animal Physiology - Neuro-Muscular Physiology.

R-11

Abs Jour : Referat Zhur - Biol., No 16, 1957, 71085

(20-30 y a), acting for 1 hr, did not increase the breathing substantially (maximally by 18%). By applying a larger current (50-90 m a) the breathing was immediately decreased on the aver. by 18%. Under the action of anode simultaneously with irradiation the lowering of oxidation process was observed more frequently (aver. 34%).

Card 2/2

- 65 -

SHITOVA, Z 1

69

FHASE I BOOK EXPLOITATION

SOV /5435

Kiselev, P. N., Professor, G. A. Gusterin, and A. I. Strashinin, Eds.

Voprosy radiobiologii. t. III: Sbornik trudov, posvyashchennyy 60-letiyu so dnya rozhdeniya Professora M. N. Pobedinskogo (Problems in Radiation Biology. v. 3: A Collection of Works Dedicated to the Sixtieth Birthday of Professor Mikhail] Mikolayevich] Pobedinskiy [Doctor of Medicine]) Leningrad. Tsentr. n-issl. in-t med. radiologii M-va zdravookhrananiya SSSR, 1960. 422 p. 1,500 copies printed.

Tech. Ed.: P. S. Peleshuk.

PURPOSE: This collection of articles is intended for radiobiologists.

COVERAGE: The book contains 49 articles dealing with pathogenesis, prophylaxis, and therapy of radiation diseases. Individual articles describe investigations of the biological effects of radiation carried out by workers of the Central Scientific Research Institute for Medical Radiology of the Ministry of Public Health, USSR. [Tsentral'nyy nauchno-issledovatel'skly institut meditsinskoy radiologii Ministerstva zdravookhraneniya SSSR] during 1958-59. The following

Card 1/10

Problems in Radiation Biology (Cont.) topics are covered: various aspects of primary effects of radiation; the course of some natabolic processes in animals subjected to ionizing radiation; reactions in irradiated organisms; morphologic changes in radiation disease; and reparention and regeneration of tissues injuned by irradiation. Some articles give attention to the effectiveness of experimental medical treatments. No personalities are mentioned. References accompany almost all of the articles. TABLE OF CONVENTS: Foreword Gunterin, G. A., and A. I. Strashinin. Professor Mikhail Mikolayevich Pobedinskiy (Commemorating his Sixtieth Birthday) Lobedinskiy, A. V. [Member, Academy of Medical Sciences USSR], N. I. Arlashchenko, and V. M. Mastryukova. On the Mechanism of Trophic Disturbances Due to Ionizing Radiation Zedgenidze, G. A., [Member, Academy of Medical Sciences USSR], Ye. A. Zherbin, K. V. Ivanov, and P. R. Vaynshteyn. Hormonal Activity of the Adrenal Cortex in Acute Radiation Bickness and the Effect of Desoxycorticosterone Acetate on the Disease Card 2/10			: !	
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Traskunova, N. V. Effect of Blocking the Sympathetic Subdi- of the Vegetative Nervous System on the Development and Cou Acute Radiation Sickness	vision rse of	8	:	
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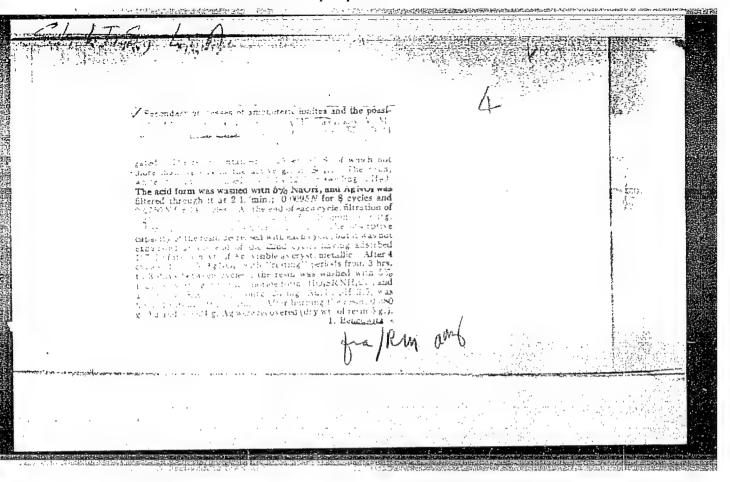
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	Problems in Radiation Biology (Cent.) SOV/5435			
	Manaylar, S. Ye., and B. A. Orlov. Use of the Spectroscopic Research Method in the Study of the Condition of Iron-Containing Compounds in Animal Organisms Irradiated With X-Rays	152		
	Demin, N. H., [Professor]. On Some Metabolic Disturbances in Lipides Pue to External Whole-Body Ionizing Irradiation	158		
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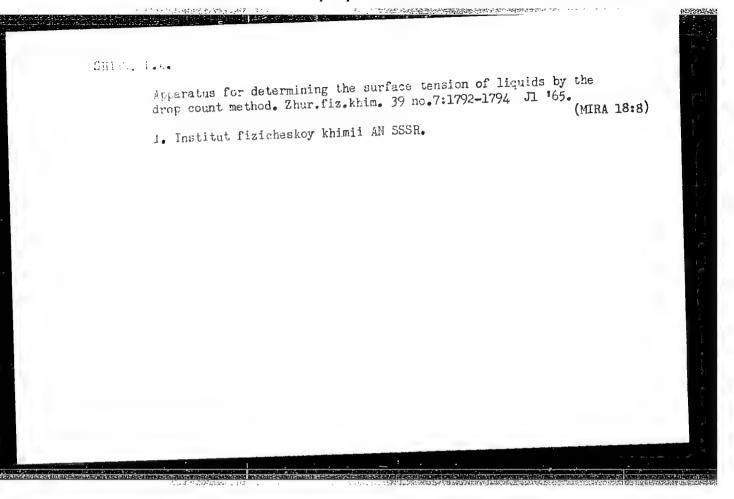
SHITS, K.L.

Latvian S.S.R. Prom.koop. no.1:14 Ja '57.

(MIRA 10:4)

 Predsedatel' pravleniya Latpromsoveta. (Latvia--Cooperative societies)





SHTUKOVSKAYA, L.A.; LUKINA, M.P.; SHITS, L.A.

Hygienic evaluation of water demineralized by Russian. Gig. i san. 25 no. 12:93-95 D '60. (MIRA 14:2)

l. Iz Moskovskogo nauchno-issledovatel'skogo instituta sanitarii i gigiyeny imeni F.F. Erismana Ministerstva zdravookhraneniya RSFSR i Nauchno-issledovatel'skogo instituta plasticheskikh mass.

(SALINE WATERS—DEMINERALIZATION)
(ION-EXCHANGING SUBSTANCES)

SHITS, L.A.; ALEKSANDROVA, Ye.H.

Evaluation of the aggregate stability of synthetic latexes. Dokl. AN SSSR 142 no.2:413-415 Ja 162. (MIRA 15:2)

1. Hoskovskiy khimiko-tekhnologicheskiy institut im. D.I. Fendeleyeva. Predstavleno akademikom P.A.Rebinderom. (Latex)

SHITS, L.A.; TRAPEZNIKOV, A.A.

Structure-mechanical properties of the adsorption layers of some surface-active compounds at the interfacial boundaries of their aqueous solutions with air and styrene. Koll.zhur. 25 no.5:613-620 S-0 '63. (MIRA 16:10)

1. Institut fizicheskoy khimii AN SSSR i Moskovskiy khimiko-tekhnolo-gicheskiy institut.

S/020/63/148/003/034/037 B101/B186

AUTHORS :

Aleksandrova, Ye. M., Shits, L. A., Romm, I. P.

TITLE:

Effect of non-ionogenic, surface-active substances on the aggregative stability of polystyrol latex stabilized by sodium oleate

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 148, no. 3, 1963, 637 - 640

TEXT: The study deals with the change in stability of polystyrol latex stabilized by 0.6 parts by weight of sodium cleate per 100 parts of monomer with addition of the following surface-active substances (SAS): ON -7 (OP-7), $R = \frac{R}{1000} - 0 \left(\frac{CH_2CH_2O}{R} \right)_n H$, $R = \frac{C}{8-10}$, R' = R or H, $n \approx 7$, mean molecular weight

R= $\frac{-0(\text{CH}_2\text{CH}_2\text{O})_n\text{H}, R = \text{C}_{8-10}, R' = R \text{ of } n, n \approx 10, \text{ MW} = 563, (MW) = 531, dipole moment D = 3.50; ONT-10 (OP-10), ditto, n \approx 10, MW = 563, D = 4.41; ONT-20 (OP-20), ditto, n \approx 20, MW = 1125, D = 5.36; OC-20 (OS-20), R:O(\text{CH}_2\text{CH}_2\text{O})_n\text{H}, R = C_{16-18}, n \approx 20, MW = 1185, D = 5.66; dispersing agent TB-80 (TV-80),$

Card 1/3

S/020/63/148/003/034/037 B101/B186

Effect of non-ionogenic ...

n' + n" + n"' \approx 20, MW = 1308, D = 5.87. The SAS were added either to a latex not saturated with sodium oleate or to a latex that contained an amount of sodium oleate such that its adsorption shells were fully occupied. The stability of latex was determined by measuring the time τ after which coagulation set in between two coaxial cylinders during mixing. S' = τ/τ_0 was calculated, where τ_0 is the coagulation time without SAS. With saturated latex, the SAS effected a sharp increase of S', even with admixtures of only ~ 0.02 mg-equ/g. With unsaturated latex, S' first fell stepwise; then it increased slowly with small additions, and sharply with large additions

latex, the SAS effected a sharp increase of S', even with admixtures of only ~0.02 mg-equ/g. With unsaturated latex, S' first fell stepwise; then it increased slowly with small additions, and sharply with large additions (0.06 - 0.12 mg-equ/g). As to their destabilizing effect, the SAS constitute the following order: TV-80>0S-20>0P-20>0P-10>0P-7. In unsaturated latex, the SAS screens off the sodium oleate molecules or ions, thus deteriorating the protective effect of the monolayer. Further addition

Card 2/3

Effect of non-ionogenic...

S/020/63/148/003/034/037 B101/B186

of SAS effects brittleness of the monolayer, causing the second drop of S'. Not before a polymolecular adsorption layer has formed, S' increases; in saturated latex, S' rises immediately. There are 2 figures and 1 table. The English-language reference is: R. J. Orr, Rubber and Plast. Age, 41, no. 9, 971, 1027 (1960).

ASSOCIATION: Moskovskiy khimiko-tekhnologicheskiy institut im. D. I. Mendeleyeva (Moscow Institute of Chemical Technology imeni D. T.

PRESENTED: October 3, 1962, by P. A. Rebinder, Academician

SUBMITTED: September 10, 1962

Card 3/3

ALEKSANDROVA, Ye. M.; SHITS, L. A.

Structure of the protective adsorption films of synthetic latexes stabilized by sodium cleate. Koll. zhur. 24 no.6: 641-642 N-D 162. (MIRA 16:1)

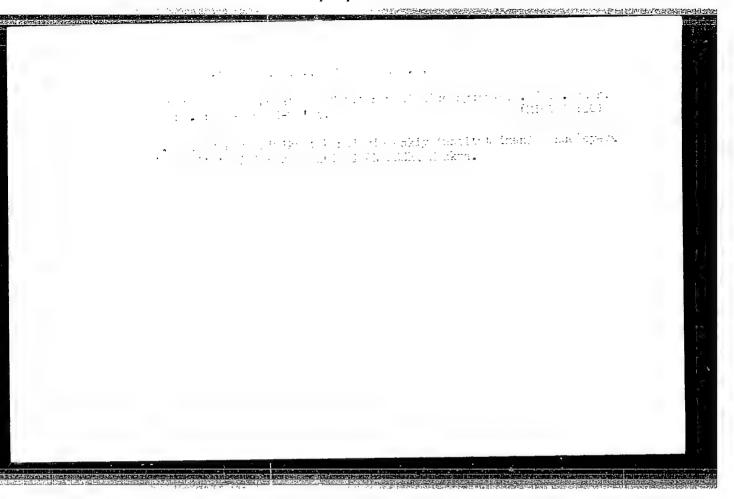
1. Moskovskiy khimiko-tekhnologicheskiy institut imeni D. I. Mendeleyeva.

(Rubber, Synthetic) (Protective coatings)
(Sodium cleate)

SHITS, L.A.

Some considerations on micelle formation in solutions of soaps. Koll. zhur. 26 no.3:397-398 My-Je '64. (MIRA 17:9)

1. Institut fizicheskoy khimii AN SSSR, Moskva.



PALEYEVA, Yevdokiya (g.Nakhodka); LESKOV, S.; SHITS, O. (s.Nizhnyaya Omra, Komi ASSR)

Readers reply to Valia Mitiukova. Obshchestv.pit. no.4:30-31
Ap '61. (MIRA 14:3)

1. Zaveduyushchiy proizvodstvom stolovoy No.27, g.Khabarovsk (for Leskov). (Cooking schools)

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CIA-RDP86-00513R001549620005-9

KISELEV, Ya.; KAPUSTIN, K. (Chelyabinsk); SPITS, O., tekhnolog (Komi ASSR);
RADZHABLI, A. (Kirovabad)

Letters to the editor. Obshchestv. pit. no.6:40-41 Je '62.

(MIRA 15:9)

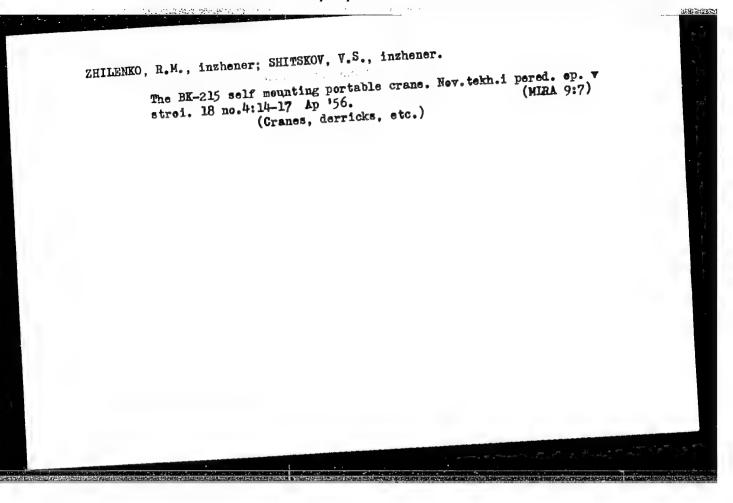
(Restaurants, lunchrooms, etc.)

SHIPOV, V.P.; SHITSER, S.S., retsensent; BEREZOVSKIY, A.I., retsensent; VASIL'YEVA, G.N., redaktor; KISINA, Ye.I., tekhnicheskiy redaktor.

[Planning work in enterprises of the meat industry; methods and techniques in working out a plan] Planirovanie truda na predpriiatiiakh miasnoi promyshlenosti; metodika i tekhnika raschetov plana.

Moskva, Pishchepromisdat, 1956. 73 p.

(MLRA 9:5)



SHITSKOVA, A. P.

SHITSKOVA, A. P. -- "Investigation and Hygienic Evaluation of Ice Cream."
Sub 7 Oct 52, Central Inst for the Advanced Training of Physicians
(Dissertation for the Degree of Candidate in Medical Sciences.)

SO: Vechernaya Moskva January-December 1952

- 1. SHITSKOVA, A. P.
- 2, USSR (600)
- 4. Hygiene-Societies, Etc.
- 7. Scientific session of the Institutes of Hygiene and the Departments of Hygiene of Medical Institutes of the R. S. F. S. R. Gig. i san. Vol 17 no. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, rebruary 1953, Unclassified.

SHITSKOVA, A.P.

Evaluation of ice cream from the point of sanitation and hygiene.

Gig. 1 san. no.1:39-43 Ja '54. (MLRA 6:12)

1. Iz Nauchno-issledovatel skogo sanitarnogo instituta im. Erismana, (Ice cream, ices, etc.)

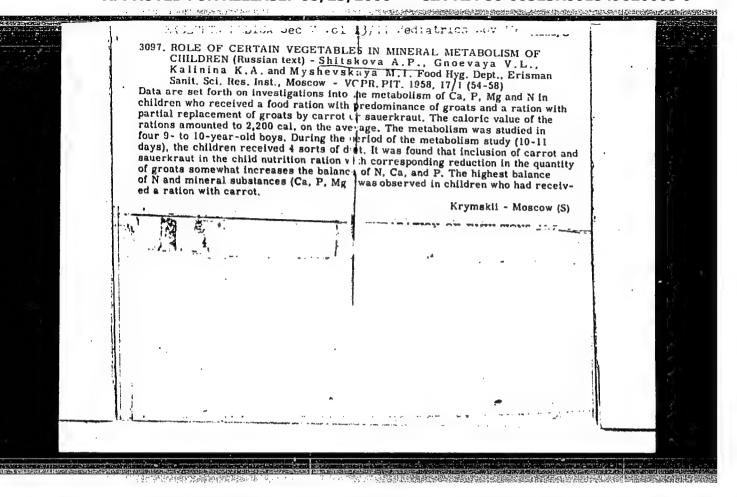
SHITSKOVA, A.P.

Hygienic conditions of the workers' milk supply at Moscow's industrial enterprises. Vop.pit. 13 no.1:44 Ja-F '54. (MLRA 7:1)

1. Iz Nauchno-issledovatel'skogo sanitarnogo instituta im, F.F. Krismana. (Milk)

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SHITSKOVA, A.P., kand. ned. nauk; KALININA, K.A., kand. khim. nauk

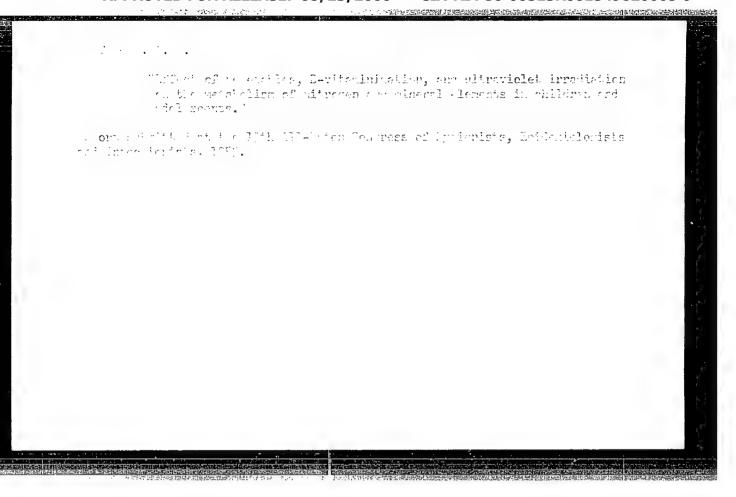
Influence of ultraviolet irradiation on mineral and nitrogen
metabolism in adolescents. Gig. i san. 23 no.11:37-43 N '58

(MIRA 12:8)

1. Iz otdela pishchevoy gigiyeny Moskovskogo nauchno-issledovatel'skogo instituta sanitarii i gigiyeny imeni F. F. Erismana
Hinisterstva zdravookhraneniya RSFSR.

(ULTRAVIOLET RAYS—PHYSIOLOGICAL EFFECT)

(METABOLISM) (MINERAIS IN THE BODY)



SHITSKOVA, A.P.

Hygienic evaluation and proper management of nutrition in boarding schools. Uch. zap. Mosk. nauch.-issl. inst.sam. i gig. no.2:46-49 *59 (MIRA 16:11)

l. Moskovskiy nauchno-issledovatel'skiy institut sanitarii i gigiyeny imeni F.F.Erismana.

SHITSKOVA, A.P., kand.meditsinskikh nauk

Diet and energy exchange in children in boarding schools. Gig. i san. 25 no.4;41047 Ap '60. (MIRA 13:8)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta sanitarii i giglyeny im. F.F. Erismana Ministerstva zdravookhraneniya RSFSR. (SCHOOL CHILDREN—FOOD) (CALORIMETRY)

Results of the working out of hygienic standards in the public health institutes of the R.S.R.S.R. in the 1959-1960 and the present status of their introduction into practice. Biul. Uch. med. sov. 2 no.4:10-17 Jl-Ag '61. (MIRA 14:10)

SHITSKOVA, A.P., kand.med.nauk

Eighth Conference of Young Hygienists and Sanitary Workers. Gig. i san. 26 no.5:113-114 My '61. (MIRA 15:4)

(PUBLIC HEALTH)

SHITSKOVA,A.P. (Moskva)

Conference on planning of the directors of hygienic institutes of the R.S.F.S.R. and of the hygienic departments of Moscow medical institutes. Gig. i san. 26 no.6:108-109 Je *61. (MIRA 15:5)

(INDUSTRIAL HYGIENE)

SHITSKOVA, A.P., kand.med.nauk

Public health in Sweden. Gig. i san. 26 no.7:98-102 Jl '61. (MIRA 15:6)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta gigiyeny imeni F.F. Erismana Ministerstva zdravookhraneniya RSFSR.

(SWEDEN-PUBLIC HEALTH)

SHITSKOVA, A.P., otv. red.; LUK'YANOV, V.S., red.; SHPIL'BERG, P.I., red.

[Problems of occupational pathology] Voprosy profpatologii. Moskva, Mosk. in-t gigieny. 1964. 231 p. (Its: Uchenye zapiski) (MIRA 18:12)

1. Moscow. Nauchno-issledovatel skiy institut gigiyeny.

SHITSKOVA, A.F., otv. red.; GURVICH, L.S., red.

[Sanitary and chemical control in the field of water reservoir protection] Sanitarno-khimicheskii kontrol' v oblasti okhrany vodoemov. Moskva, 1964. 250 p.
(MIRA 18:4)

1. Moscow. Nauchno-issledovatel skiy institut sanitarii i gigiyeny.

MEL'KUMOVA, A.S., prof.; RUMYANTSEV, G.I., st. nauchn. sotr.; SHITSKOVA, A.F., otv. red.

[Vibration sickness in concreters and measures for its control; manual for occupational disease specialists, neuropathologists, hygienists, and physicians of polyclinics and medical and public health centers] Vibratsionnaia bolezn' betonshchikov i mery bor'by s neiu; posobie dlia profpatologov, nevropatologov, vrachei-gigienistov, vrachei poliklinik i mediko-sanitarnykh chastei. Moskva, Mosk. nauchno-issl. in-t gigieny, 1965. 102 p. (MIRA 18:10)

ROSHCHIN, I.V., dots.; SHITSKOVA, A.P., otv. red.

[Periodical and preliminary medical examinations of workers exposed to the effect of vanadium compounds; a methodological manual] Periodicheskie i predvaritel'-mye meditsinskie osmotry rabochikh, podvergaiushchikhsia verdeistviiu soedinenii vanadiia; metodicheskoe posobie. Moskva, 1964. 18 p. (MIRA 18:12)

1. Moscow. Nauchno-issledovatel'skiy institut gigiyeny.

KACHMAR, Ye.G.; KHRUSTALEVA, V.A.; SHITSKOVA, A.P., otv. red.

[Determination of harmful substances in the air by means of solid granulated sorbents] Opredelenie vrednykh veshchestv v atmosfernom vozdukhe s primoneniem tverdykh zernennykh sorbentov. Moskva, Mosk. in-t gigieny im. F.F. Erismana. No.1. 1964. 35 p. (MIRA 19:1)

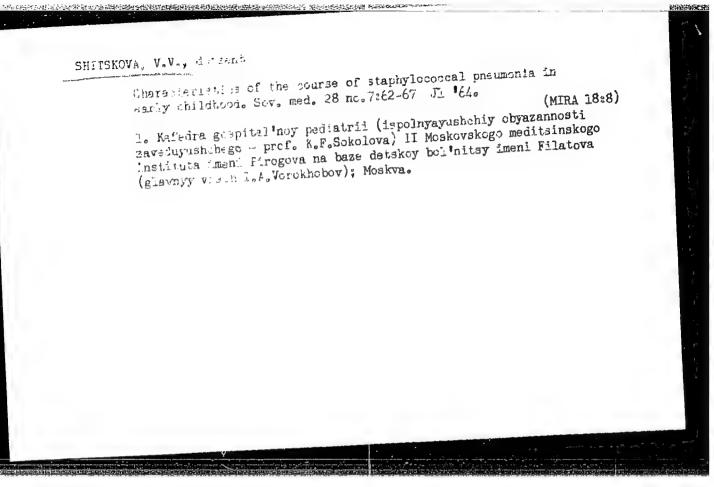
SHITSKOVA, V.V., kand. med. nauk; BOLKOVAYA, M.A.

Vacciniform pustulesis in early childhood. Sov. med. 27 no.11:56-60 N '64. (MIRA 18:7)

1. Kafedra gospital'noy pediatrii (ispolnyayushchiy obyazannosti zaveduyushchego - prof. K.F.Sokolova) II Moskovskogo meditsinskogo instituta imeni Pirogova i Detskaya bol'nitsa No.13 imeni Filatova (glavnyy vrach L.A.Vorokhobov), Moskva.

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CIA-RDP86-00513R001549620005-9



SHITSKOVA-MARTTHKINA, V.V., kand, med.nauk, PETROVA, R.F.

Clinical aspects of acute diffuse glomerulonephritis in children.
Vop.okh.mat. i det. 3 no.5:11-18 S-0 '58 (MIRA 11:11)

1. Iz kafedry gospital'noy pediatrii (zav. - prof. K.F. Popov)
II Moskovskogo gosudarstvennogo medistinskogo instituta imeni
N.I. Pirogova i detskoy klinicheskoy bol'nitsy imeni I.V. Rusakova
(glavnyy vrach V.A. Kruzhkov, nauchnyy rukovoditel' - orof. M.A.
Bubnova).

(KIDNEYS--DISEASES)

(CHILDREN--DISEASES)

SHITSKO/A -MARTYNKINA, V.V., kand.med.nauk

Eosinophil disease in children. Pediatrila no.2:79-83 '62.

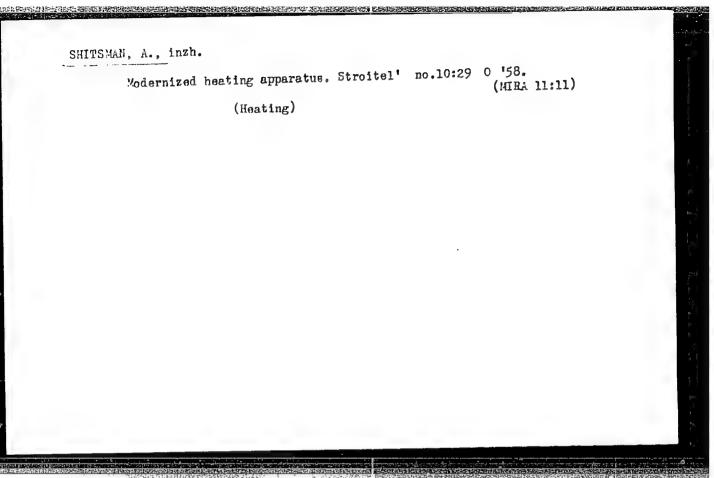
(MIRA 15:3)

1. Iz kafedry gospital'noy pediatril (zav. - prof. K.F. Pipov)

II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova (dir. - dotsent M.G. Sirotkina).

(CHILDREN--DISEASES)

(CHILDREN--DISEASES)



ALL MILL APGUZZLASA

SOURCE CODE: UR/0413/66/000/010/0078/0078

INVENTOR: Moskver, K. B.; Zayd, E. G.; Shirokov, S. S.; Shitsman, A. S.; Neusypina, N. I.

ORG: None

TITLE: A three-way gyroscopic float device. Class 42, No. 182346

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 11, 1966, 78

TOPIC TAGS: gyroscope system, gyroscope suspension

ABSTRACT: This Author's Certificate introduces a three-way gyroscopic float device consisting of a gyro unit fastened to an elastic torsional support and suspended in a liquid. Provision is made for balancing the instrument after final adjustment by equipping the gyro unit with balancing weights which may be moved with respect to its center of gravity along coordinate axies by adjustment wreaches. These wrenches are fastened in the housing of the device by hermetic couplings which permit reciprocating and rotary motion.

SUB CODE: /J/ SUBM DATE; 030ct63

UDC: 621-752.4

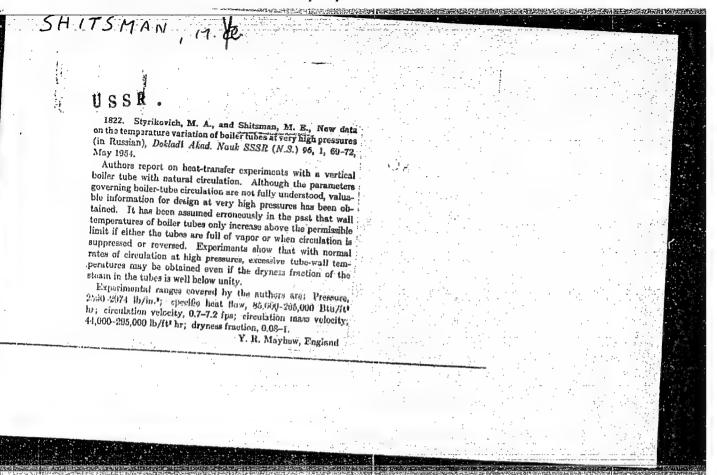
APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549620005-9"

SHITSHAN, H. Ye.

"Investigation of the Effects of Pressure and Vapor Content on the Magnitude of Critical Heat Flow in a Vertical Pipe at Natural Circulation." Sub 14 Jun 51, Power Engineering Inst imeni G. M. Krzhizhanovskiy

Dissertations presented for science and engineering degrees in Foscow during 1951. So: Sum. No. 400, 9 May 55



SOV/124-57-3-3203

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 3, p 80 (USSR)

AUTHORS: Styrikovich, M. A., Shitsman, M. Ye.

TITLE: An Investigation of the Temperature Conditions in the Operation of a Vertical Boiling Tube Under Superhigh Pressures (Issledovaniye

temperaturnogo rezhima raboty vertikal'noy kipyatil'noy truby pri

sverkhvysokikh davleniyakh)

PERIODICAL: V sb.: Gidrodinamika i teploobmen pri kipenii v kotlakh vysokogo

davleniya. Moscow, AN SSSR, 1955, pp 206-228

ABSTRACT: The paper adduces the results of an experimental investigation of

the temperature regime of a vertical boiling tube 30 mm in diameter. The experiments were conducted on a stand with pressures of 182-209 atm abs, a specific heat flux of 230-720,000 kcal/m²/hr,

circulation velocities from 0.2 to 2.2 m/sec, and gravimetric steam content from 8 to 100%. It is established that a considerable range of intermediate regimes exists within the zone of pressures and circulation parameters investigated, during which regimes, in

proportion as the steam content increases, the intensity of the heat Card 1/2

transfer gradually decreases from the values corresponding to a

SOV/124-57-3-3203

An Investigation of the Temperature Conditions (cont.)

normal nucleate boiling to the values which correspond to the heat transfer to dry saturated steam. The authors point out that with specific heat fluxes of the order of $400-450,000~\rm kcal/m^2/hr$ a decrease in the circulation velocity to $0.4-0.5~\rm m/s$ sec and of the circulation multiplicity to $2.0-2.5~\rm m$ lead to damage to the steam pipes of boilers operating at superhigh pressures.

Z. L. Miropol'skiy

Card 2/2

Albert A Subject

AID P - 4081

Card 1/1

: USSR/Power Eng.

Pub. 110-a - 6/14

Authors

Styrikovich, M. A., Corr. Memb., Academy of Sciences, USSR, M. E. Shitsman, and Z. L. Miropol'skiy, Kand. Tech. Sci. Power Institute, Academy of Sciences.

Title

Some data on temperature changes in a vertical boiling conduit at near-critical pressures.

Periodical

: Teploenergetika, 12, 32-36, D 1955

Abstract

Tests with vertical boiling pipes at different pressures

and various flue temperatures are explained. Some

temperature changes in the pipe walls were noticed, which seemingly have considerable importance for establishing conditions of normal performance of vaporating-surfaces of super-high pressure boilers. Seven diagrams. Three

Russian references, 1951-1952.

Institution:

None

Submitted

No date

SHIR MARK M. YE.

AUTHORS:

Miropol'skiy, Z. L., Shitsman, M. Ye.

57-10-23/35

PITLE:

Heat Emission to Water and Steam at Variable Heat Capacity(Near the Critical Region) (Teplootdacha k vode i paru pri peremennoy teployemkosti(v okolo-kriticheskoy oblasti)

PERTODICAL:

Zhurnal Tekhn. Fiz., 1957, Vol. 27, Nr 10, pp. 2359-2372 (USBR)

ABSTRACT:

The results of investigations of the local coefficients of a heat emission to not boiling water and to overheated steam at pressures of from 4 to 280 at are given. In this investigation where the water and the steam moved within a pipe in a turbulent ourrent distribution following was noticed in the regions of suband overcritical pressures: 1) The application of the known formula for the computation of the heat emission to not boiling water or to overheated steam cannot give satisfying results for those temperature regions where the values of the Pr- figure change in connection with the variation of the specific heat of the medium. 2) A formula is given here for the computation of the local values of the coefficient of the heat emission to water and steam within the above mentioned limits of the parameter variation. This contains the known figures: Nu. Re. and Pr. The mean current temperature is assumed as the determining temperature for the computation of Nu and Re. In the computation of Pr the determining temperature is assumed to be equal to either the

Card 1/2

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549620005-9

MIROPOL'SKIY, Z.L., kand. tekhn. nauk; SHITSMAN, M.Ye., kend. tekhn. nauk. Methods of calculating heat transfer to water and steam in the near-critical range. Energomashinostroenie 4 no.1:8-11 Ja '58. (Heat -- Transmission) (MIRA 11:1)

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Degler, G.P., Combitions for Representing Reating Systems Mirring of Purl Mirring of Purl Mirring Lykir, Z.L., M.A., Styrtkovich, N. Ye., Shituman., Berstein in Demangementing Aubon at High Pressures Mostrin, S.I., Yu.A. Ronhmarov, Calculation of Resistance Best Exchange in a Stream of Uncompressed Liquid in the 1 of a Positive Pressure Condient	Myrighton La., S.R. Gilnternil, O. Ic. Burterns. Series Connection of Capacitors for Interesting Inverter Stability Committee, V.I., M.S. Libkind, Comission for the Long-Didtance Trans. O.N. Krainbacowity Co. Krainbacowity Kolloy, B.L. Coefficients of Replacing Resistances to the Normant Morloy, B.L. Coefficients of Replacing Resistances to the Normant Copyressed Castique Nixture in vertical Table. Long-Lyry, A.L. Calculation of Authalent Priction in the Flor of a Copyressed Cas Around a Flat Plate Translater Supersonic a restigation of the Structure of an Azially. Translater Supersonic a restigation of the Structure of an Azially.	Externish, I.K., S.A. Soralov, Extremely Intelligence Transmission of Editable, I.K., S.A. Soralov, Extremely Intelligence Transmission of Long-Division Acc Transmission. Division Acc Transmission. Extent of Foreity and Populating Excitation on the Dynamic Guality of Intelligency of the Methods of the Equivalent Guarantee Transmission. Mattributing V.M. on the Insufficiency of the Methods of the Equivalent Vith Scall Disturbance. Mattributing V.M. on the Insufficiency of the Methods of the Equivalent Vith Scall Disturbance. Mattributing C.F., G. F. Mikhneyich. The Linit of Excitation Stability of Methods of the Equivalent of Excitation VITA Scall Disturbance.	COVERUM: The collection contains sixty articles by former sto coverters of the deceased Academician. The articles deal vit of a wide range of multiplets in the field of power engineering technology and the physics of consustion. I beginness are given by the articles, beginness are given after most articles, are mentioned. Intermoss are given after most articles, and the physics of consustion. I beginness are given after most articles, all the physics for the physics of restaurant consusting and the physics for the physics for the physics of the physics of the physics of the physics of finite and freepoint of future Use Liebtric, A.G., between the physics of the USM Liebtricity in Earth Regions of the USM Liebtricity	Akadesiya nenk Ettil. Energet Freblew essargetiki; abornik Frebless of Frest Engineer descision 0.84. Krainistanovak 2,900 opples printed. 2,900 opples printed. 3,814. Koyabes; Fach. Ed.; 1 4.64 Koyabes; Fach. Ed.; 1 4.65 Koyabes; Fach.
Conditions for Representing Freting Systems With Flame Fuel Z.L., M.A. Styrtkovich, M. Ye. Shitsonn. Best Trans- Desa-generaling these at High Pressures YM.A. Konhastov, Calculation of Resistance and of the Stream of Uncompressed Liquid in the Presence Pressure Gradient	Burtheye, Series Chancetian of Stability ssion for the Long-Distance Trans. Power Expineering Institute Learning Trulic Resistances to the Normani Tubes under Priction in the Floy of a pulse of the Structure of an Axially.	B.A. Soralow, Extremely Long-Distance Transmissions attacked condenses for Transvirse Compensation of Long-manufactors for Transvirse Compensation on the Extrect of Foreign and Regulating Excitation on the five Long-Distance Transmissions to the Insufficiency of the Hubbod of the Equivalent be Insufficiency of Sability of Electric Transmission where the Insufficiency of Sability of Sabil	erticles by former a the articles deal v in the proper enginerated and thermal power parts of conduction. Former articles. Foster Development i halcal-Remomic India brospects of Fature Us Kleckrification of F	PRACE I DOUR EUTDUNCTIVE SOT/NAT Absolute near SEUR. Energetiche akty institut in. G.M. Erubikanovalogo Problems of Frent Egitorating; Collection of Articles Bedievied to Academian G.M. Erubikanovalogy Articles of Articles and Articles and Articles Bedievied to Academian G.M. Erubikanovalogy Boscow, 1999. 851. P. Erubic to Academia Seuri Articles Bedievied to Academia Seuri Articles Bedievied Articles Bedievied Articles Bedievied Articles Bedievied Articles Bedievied Articles Bedievied Articles Seuri Articles Els. of Publishing House i B.D. Astruabla, F.V. Enboy, P.L. Enboy, and Amsormidate (Boscow, N.L. Enboy, Candidate of Technical Bedievier, Candidate of Technical Bedievier, Candidate of Technical Bedievier, Candidate of Technical Bedievier,
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SHITSMAN, M.Ye., kand.tekhn.nauk

Heat transfer to water, oxygen, and carbon dioxide in the almost critical region [with summary in English]. Teploenergetika 6 no.1:68-72 Ja '59. (MIRA 12:1)

1. Energeticheskiy institut AN SSSR. (Heat--Transmission)

MIROPOL'SKIY, Z.L., kand.tekhn.nauk; SHITSMAN, M.Ye., kand.tekhn.nauk; MOSTINSKIY, I.L., inzh.; STAVROVSKIY, A.A., inzh.

Effect of inlet conditions on the critical thermal flows during the boiling of water in pipes [with summery in English].

Teploenergetika 6 no.1:80-83 Ja '59. (MIRA 12:1)

1. Energeticheskiy institut AN SSSR.
(Steampipes) (Thermodynamics)

STYRIKOVICH, M.A.; MIROPOL'SKIY, Z.L., kand.tekhn.nauk; SHITSMAN, M.Ye., kand.tekhn.nauk; MOSTINSKIY, I.L., inzh.; STAVROVSKIY, A.A., inzh.; FAKTOROVICH, L.Ye., inzh.

Effect of superimposed elements on the setting up of boiling crisis in the steam genera ing pipes. Teploenergetika 7 no.5:81-88 My '60. (MIRA 13:8)

1. Energeticheskiy institut AN SSSR. 2. Chlen-korrespondent AN SSSR (for Styrikovich).

(Heat--Radiation and absorption) (Boilers)